

WOLBERG, Ignacy

Legal aspects of labor standards. Praca zabezp spol 6 no.1:
14-18 Ja'64.

WOLBERG, Ignacy

Cumulation of jobs; some remarks concerning necessary legislation.
Praca zabesp spol 6 no.3:9-12 Mr '64.

WOLCZACKI, P.

New trends in designing profiles of embankment buttresses. p. 69. (Gospodarka Wodna, Vol. 17, No. 2, Feb 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

WOLCZKOWSKI, Pawel, mgr inż.

Remarks on the economical designing of earth dams. Gosp
wodna 23 no. 10:385-386 C '63.

WOLCZACKI, Pawel, mgr., inz.

Notes on dr., eng. T. Manthey's article "Model studies on filling the lock chamber through hook gates". Gosp wodna 22 no. 3:95. Mr '62

1. "Hydroprojekt"

WOLCZACKI, Pawel, mgr. inz.

The Krakow-Dabie Cascade, its organization and course of construction. Gosp wodna 22 no.7:307-308 J1 '62.

1. Hydroprojekt, Warszawa.

WOLCZACKI, Pawel, mgr inz.

Scientific meeting on the development of transportation on the Vistula River and the participation of inland navigation in servicing the seaports. Gosp wcdna 24 no.3:117-118 Mr '64.

WOLCZANSKI, Jan
SURNAME, Given Names

Country: Poland

Academic Degrees: not given

Affiliation: not given

Source: Warsaw, Przegląd Lekarski, No 6, 1961, pp 251-253.

Data: "The Health Resort Rymonow-Zdroj."

GPO 981643

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| <p>WDLCZEK, O.</p> <p>SEPARATION OF ISOTOPES BY THERMAL DIFFUSION. (Ogłęd. Wokzek (Higher Polyt. School, Łódź, Poland)). II-o. <i>Jowski Chem. 1, No. 7/0, 21-5(1947). A review.</i> A. Spozynski</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASY-ILA DETALLURGICAL LITERATURE CLASSIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

WOLKOWSKI OLGIERD

1-1980

✓ Activation analysis of elements. Olgierd Wolkowicz (Warsaw Univ.). *Postępy Fiz.* 5, 89-95 (1954). Activation analysis of 2-component materials previously irradiated by thermal neutrons is described. A table of properties of irradiated elements is included. Sylvia Nowinska

Amz Jcw

WOLCZEK, Olgierd

"Atomic Energy," by Mgr. Engr. Olgierd Wolczek. Problemy, No. 3(108), Year XI,
Mar 55, p 156.

WOLCZEK, Olgierd

Importance of nuclear energy in modern medicine. Wiadomosci lek.
8 no.3:97-109 Mar 55.

1. Warszawa, Instytut Fizyki P.A.N.

(ATOMIC ENERGY,

role in modern med.)

(MEDICINE,

modern, atomic energy in)

WOLCZEK, Olgierd

Energia Jadrowa w Technice (Nuclear Power in Technology), Warsaw: Panstwowe
Wydawnictwa Techniczne, 1956.

98 p. Illus., Diagrams, Tables.

Bibliography: p. 96-97.

55M/6

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~~HICIER~~ WOLCZEK, O.
POLAND/Physical Chemistry. Isotopes.

B-7

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14582

Author : Olgierd Wolczek

Inst : —

Title : Notes Concerning Isotopes

Orig Pub: Kosmos (Polska), 1956, B2, No 2, 157-159,

Abstract: No abstract.

Card 1/1

WOLCZEK, Olgierd

"Nuclear Propulsion for Aircraft and Rockets," part V of a collective work
entitled, Newest Aviation Designs, published in Warsaw: 1957. pp. 102-55.

WOLCZEK, Olgierd (Mgr.)

Mgr. Olgierd Wolczek.: "Nuclear Rockets Will Conquer Space," (Rakiety
Jadrowe Pokonaja Przestworza), Problemy, No 1(130), 13 Year, 1957, Warsaw.

~~WOLCZEK O.~~

"Nuclear energy and astronautics."

p. 191 (Kosmos. Serbia B: Przyroda Nieożywiona) Vol. 3, no. 3, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

21(3,5)

PHASE I BOOK EXPLOITATION

SOV/3137

Wołczek, Olgierd

Izotopy na sluzhbe cheloveka (Isotopes in the Service of Man)
Moscow, Fizmatgiz, 1958, 271 p. Errata slip inserted.
20,000 copies printed. [Translated from the Polish]
(Title page):

Translator: Yu. P. Terekhov; Ed.: U. Ya. Margulis; Tech. Ed.:
N. Ya. Murashova.

PURPOSE: This book is intended for persons interested in the various
uses of radioactive isotopes.

COVERAGE: The book reviews the preparation and isolation of radio-
active isotopes and describes in detail their use in mass
spectroscopy, galvanometry, radio chemistry, technological
control processes, archeological and astronomical dating and
in atomic power production. Simplified cross sections of jet
engines which employ nuclear and thermonuclear reactors are

Card 1/4

Isotopes in the Service of Man

SOV/3137

also included. No personalities are mentioned. There are no references.

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AVAILABLE: Library of Congress (QD 466.W617)

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TM/jmr
2-10-60

O. WOLCZEK

17
Cold fusion reactors and use possibilities for propulsion of
space vehicles. O. Wolcsek (Inst. Nuclear Phys. Research
Warsaw). Raketenforsch. u. Raumfahrtforsch. 2, 63-7 (1968)
18
sketches the cold at. reactor that works with catalytic
synthesis of nuclei at low temp. He suggests that linear
acceleration of nuclei might prove to be a feasible propulsion
system. Alfred J. Zachring

5
4F1, 4F3a,
4B, 4E3c,
4E3d
1-RS

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CR

WOLCZEK, O.

Artificial earth satellites.

p. 13. (KOSMOS. SERIA B: PRZYWODA NIEOZYWIONA.) (Warszawa, Poland) Vol. 4,
no. 1, 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

WOLCZEK, O.

The upper atmosphere and the electromagnetic extraterrestrial radiations as well as the streams of particles in the light of investigations performed by the use of artificial satellites and high-altitude rockets. p. 573

POSTĘPY FIZYKI. (Polskie Towarzystwo Fizyczne)
Warszawa. Vol. 9, no. 5, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), IC, Vol. 8, no. 6, June 1959
Uncl.

WOLCZEK, O.

Distr: 4E3c 2 cys/4E3e

2/ 1/ 9
3
Internal conversion electrons of thulium-167. S. Chojnacki, H. Lancman,
R. Sosnowski, O. Wolczek, J. Zylicz (Inst. Badan Jadrowych, Warsaw), and I. A. Yutlandov
Polish Acad. Sci., Inst. Nuclear Research, Rept. No. 115/I-A, 6 pp (1959) (in Russian).
-Transitions in Tm^{167} obtained by irradiating Tm with 660-m.e.v. protons were studied
in internal conversion electron spectra obtained within 610-4170 gauss-cm. A new
conversion line representing a 534-e.kv. transition in the K shell was attributed
to E1.

A. Szafranski

(Retyped Clipped Abstract)

Card 1/1

ss

WOLCZEK, O.

Moon rockets. p. 119.

KOSMOS. SERIA B: PRZYODA NIEOZYWIONA. (Polskie Towarzystwo Przyrodnicow im. Kopernika) Warszawa, Poland. Vol. 5, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, August 1959.
UNCL

P/048/61/000/003/003/004

I004/I204

AUTHOR: Wołczek, Olgierd

TITLE: Upper atmosphere and cosmic space. Review of recent years. Conclusion.

PERIODICAL: Astronautyka no. 3, 1961, 11-15

TEXT: The purpose of this work is to analyze recent results with regard to the biological hazard to manned flights. It was found that the earth's atmosphere extends much further than had been assumed. There are two to three belts of intensive radiation in the neighborhood of our planet and radiation is present even in interplanetary space. The correlation of several physical effects with solar activity was also shown. The intense radiation may affect manned cosmic flights. There is 1 table.

✓

Card 1/1

L 07163-67 EWT(m)/FCC/EWP(e) WH/WW

ACC NR: AP6029399

SOURCE CODE: PO/0048/66/000/002/0014/0018

AUTHOR: Wolczek, Olgierd

56
53
13

ORG: none

TITLE: On the path toward the Evening Star

SOURCE: Astronautyka, no. 2, 1966, 14-18

TOPIC TAGS: Venus planet, Venus probe, Venus trajectory

ABSTRACT: The article sums up briefly the present state of knowledge about the planet Venus, and reports on the flights of space probes directed at it. At present, the atmosphere of Venus is described by three models (the greenhouse, colospheric, and ionospheric model). It is probably composed of 90% nitrogen, 5-10% carbon dioxide, about 1% argon, and small amounts of oxygen and water vapor, and its clouds are probably made up of ice crystals. The partial failure of the Soviet probe "Venus 1" and the findings of the U. S. probe "Mariner II" are discussed. Schematic diagrams of the probes "Venus 2" and "Venus 3" are given. The instrumentation of these two probes included a precise magnetometer for very weak magnetic field intensities and components of this intensity in three mutually perpendicular directions; Geiger-Müller counters, and semiconductor detectors for cosmic radiation; special traps for detecting low-energy charged particle fluxes; and solar plasma clouds. Piezoelectric gages reported on

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Card 1/2

L 07163-67

ACC NR: AP6029399

micrometeorite[✓] impacts. Radio receivers[✓] were used to observe cosmic radio waves^{3 12} in the 150 m, 1500 m and 15 km bands. Orig. art. has: 6 figures.

SUB CODE: 03,22/ SUBM DATE: none

Card 2/2m7c

AUTHOR: Wolczek, O.

TITLE: Space artillery ✓

SOURCE: Astronautyka, no. 2, 1965, p. 11

research and observations in the upper atmosphere. This work is being done by a group
of scientists from McGill University in Montreal, with the cooperation of American

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001961720004-1

OF SCIENTISTS FROM MCGILL UNIVERSITY IN MONTREAL, WITH THE COOPERATION OF AMERICAN
Card 1/2

APPROVED FOR RELEASE: 04/03/2001

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cooperation in combat

ASSOCIATION: none

SUBMITTED: 00

NO REF 000

ENCL: 00

SUP CODE: SV, WA

AGENCY NAME: D-00000. JASTNSKI. Kazimierz:

SZERESZEWSKA, Halina; RASZEJA-WANIC, Bozena; JASINSKI, Kazimierz;
WOLDKA, Emilia

Effect of hydrochlorothiazide on water-electrolyte balance in
diabetes insipidus. Polskie arch. med. wewn. 31 no.11:1513-1522
'61.

1. Z I Kliniki Chorob Wewnętrznych AM w Poznaniu Kierownik: prof.
dr med. S.Kwasniewski.
(CHLOROTHIAZIDE ther) (DIABETES INSIPIDUS ther)
(WATER ELECTROLYTE BALANCE pharmacol)

WOLDKOWSKI, B.

| | | |
|-----------|--|------|
| Country | : POLAND | H-27 |
| Category | : Chemical Technology. Fermentation Industry | |
| Abs. Jour | : Ref Zhur-Khimiya, No 14, 1959, No 51368 | |
| Author | : <u>Woldkowski, B.</u> | |
| Institute | : - | |
| Title | : Effect of Water Hardness on the Acidity of Carbonated Beverages | |
| Orig Pub. | : Przem. fermentacyjny, 1958, 2, No 3, 106-107 | |
| Abstract | : It has been shown that salts responsible for temporary water hardness used in production of carbonated beverages (B), are responsible for the lowering of acidity of B. It is recommended to increase the calculated quantity of the temporary hardness salts contained in the process water. It is also recommended to check systematically the concentration of acids used. Presented are examples of calculations necessary in the manufacture of B, quantities | |
| Card: | 1/2 | |

H27

Country :

Category : Chemical Technology.

Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 51368

Author :

Institute :

Title :

Orig Pub. :

Abstract : of acids corrected to various degrees of
Con'd water hardness. -- G. Oshmyan

Card:

2/2

H-140

WOLDONSKI, B.; TOVAROW, W.

Unexploited possibilities of the efficiency of mills. p. 252.
(Panstwowe Wydawnictwa Techniczne) Krakow. Vol. 10, no. 11, Nov. 1954
CEMENT, WAPNO, GIPS

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

WOLEK, Jozef (Kocborowo)

In memoriam Jozef Bednarz, 1879-1939. Neur. &c polska 10 no.3:
393-396 My-Je '60.

(OBITUARIES)

BRZECKI, Andrzej; WOLNIEK, Marian

Melorheostosis with hemidystrophy. Pol. arch. med. wewnet. 34
no.10:1367-1371 '64

1. Z Kliniki Neurologicznej Akademii Medycznej we Wroclawiu
(Kierownik: prof. dr. med. R. Arend) i z Kliniki Radiologicznej
Akademii Medycznej we Wroclawiu (Kierownik: doc. dr. med.
Z.Kubrakiewicz).

ROSOWSKI, Franciszek; WOLEK, Marian

Some liver and spleen tumors in the lianopertographic picture.
Pol. przegl. radiol. 28 no.3:251-255 My-Je '64

1. Z Kliniki Radiologicznej Akademii Medycznej we Wrocławiu
(Kierownik: doc. dr. med. Z. Kuźbrakiewicz) i I Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. K. Czyżewski).

CZYZEWSKI, K.; GIERMANSKI, A.; WOLEK, M.

Congenital malformations of the portal vein in the radiologic picture. Pol. przegl. radiol. 29 no.4:425-432 J1-Ag '65.

1. Z I Kliniki Chirurgicznej AM we Wrocławiu (Kierownik: prof. dr. K. Czyzewski) i Kliniki Radiologicznej AM we Wrocławiu (Kierownik: doc. dr. Z. Kubrakiewicz).

CA WOLEMANN, M.

11/19

Photometric method for testing for the presence of iron in the central nervous system. Maria Wolemann (Univ. Siegen, Hung.). *Acta Morphol. Acad. Sci. Hung.* 1, 127-32 (1951) (In English).—Sections of brain, 40 and 20 microns thick, were measured photometrically, after development of Prussian blue and Turnbull blue, for the detn. of Fe. Av.

results (mg. %): substantia nigra 11.5, globus pallidus 13.8, nucleus dentatus 5.0, red nucleus 6.0, cerebral cortex 5.25, tegmentum pontis 1.5, medulla oblongata 3.2, spinal cord 3.0.

William M. McCord

1952

CERNY, E, MUDr.; HAVLIK, O. RNDr. [deceased]; CHLADEK, V. MUDr.; NOVOTNY, J. MUDr.;
PECENKA, J.; MUDr.; PRIVORA, M., MUDr.; SYMON, K. MUDr.; SYRUCEK, L.
MUDr.; VYMOLA, E. MUDr.; WEISER, J. RNDr.; WOLF, A. MUDr., doc.; RASKA, K.,
prof., MUDr, redaktor.

Medical protection against biological warfare. Zdrav.
aktuality 122:1-150 '63.

*

WOLF, A.; MALKUS, Z.

Food hygiene. Cesk. hyg. 7 no.6:347-354 J1 '62.
(NUTRITION)

WOLF, A.

Food in Czechoslovakia as the source of Sr⁹⁰. Cesk. hyg. 9
no.3:140-144 Ap'64.

1. Lekarska fakulta hygienicka KU, Praha.

*

CZECHOSLOVAKIA

WOLF, A., and ADAMOVA, I., of the Chair of the Hygiene of Children and Adolescent and Nutrition (Katedra hygieny deti a dorostu a vyzi-
vy), Faculty of Medical Hygiene (Lekarska fakulta hygienicka), Charles
University, Prague, Docent F. JANDA, MD, director.

"Contribution to the Evaluation of the So-Called Allimentary Anemia"

Prague, Casopis Lekaru Ceskych, Vol CII, No 17, 26 April 63, pp 444-
448.

Abstract [Authors' English summary]: In a model animal experiment the
authors studied the relation of changes in the red blood count to various
compositions of the nutrition and oxygen saturation. They found that in
short-term fasting the values of the red blood count in grown-up indi-
viduals remain in physiological ranges; in long-term and calorically
insufficient or abundant nutrition there occur conspicuous changes due
however to simultaneous lowering of the biological value of nutrition.
They conclude that the term "simple alimentary anemia" based only on
caloric restriction is incorrect. Denutrition damps the irritating
effect of a lowered oxygen tension on bone marrow. The values of

11/2

JAKAC, Dusan, doc., dr.; WOLF, Anđelko, dr.

Our experiences with griseofulvin in the treatment of dermatomycoses.
Med. glasnik. 15 no.1:25-30 Ja '61.

1. Dermato-veneroloski odjel Opće bolnice "Braca Sobol" u Rijeci
(Upravnik: doc. dr D. Jakac).

(GRISEOFULVIN ther) (DERMATOMYCOSIS ther)

WOLF. A.

Demonstration of dying of cells in growing culture. Chekh. biol.
3 no.3:147-151 Aug 54.

(CELL DIVISION,

bact., unequal & dead daughter cells)

(BACTERIA,

cell division, unequal & dead daughter cells)

~~WOLF~~ ^{H.} WOLF, A.; HIAVACOVA, M.; PRSKAVCOVA, V.; MARESOVA, P.

Changes in food stuffs under the influence of ionizing radiations.
J. Hyg. Epidemiol., Praha 1 no.2:156-162 1957.

1. Institute of Hygiene, Prague.

(ROENTGEN RAYS, eff.

on nutritive value & microbiol. of food stuffs)

(FOOD, eff. of radiations on

x-rays, on nutritive value & microbiol. of food stuffs)

RUMANIA/Microbiology. Hemoglobinophilic Bacteria. Pathogenic
Fungi and Actinomycetes

F-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62514

Author : Popper M., Wolf A., Untecnu Gh.

Inst : -

Title : The Problem of Pulmonary Moniliasis

Orig Pub : Ftiziologia, 1957, 6, No 5, 387-395

Abstract : No abstract

Card : 1/1

WOLF ALPERT

POLAND/Laboratory Equipment, Instruments, Their Theory,
Construction, and Use.

F.

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25008

Author : Alpert Wolf

Inst

Title : Electronic Autocompensators. Part II.

Orig Pub : Pomary, automat. kontrola, 1957, 3, No 6, 226-228

Abstract : A presentation of technical data relating to industrial types of electronic potentiometers, and other automatic electronic instruments, manufactured in USSR and German Democratic Republic. Problems of the development of a corresponding branch of instrument manufacturing in the Polish People's Republic, are considered.
Part I see RZhKhim, 1958, 4457.

Card 1/1

60017, 17
POPPER, M.; WOLF, A.; JINNESCU, Zoica

Corticotherapy in bronchopulmonary suppurations. Med. int., Bucur.
10 no.1:107-112 Jan 58.

(LUNG DISEASES

bronchopulm. suppurations, x-ray diag. & adrenocortical ther.)

(ACTH, ther. use

bronchopulm. suppurations, with antibiotics)

(ANTIBIOTICS, ther. use)

bronchopulm. suppurations, with ACTH & cortisone)

(CORTISONE, ther. use

bronchopulm. suppurations, with antibiotics)

BENES, V.; JANDA, F.; SYMON, K.; WOLF, A.

The state of tuition and its future outlook in the hygiene department
at the medical faculty of hygiene. Cesk. hyg. 7 no.7:395-398 Ag '62.

1. Lekarska fakulta hygienicka University Karlovy v Praze.
(HYGIENE education)

WOLF, A.; ADAMOVA, I.

Red blood cell count as a criterion of the nutritional status.

Cesk. hyg. 7 no.10:573-579 D '62.

1. Katedra hygieny deti a dorostu a vyzivy lekarske fakulty hygienicke
University Karlovy Praha.

(ERYTHROCYTE COUNT) (HEMOGLOBINOMETRY) (NUTRITION)

L 24731-65

AM/43712

BOOK EXPLOITATION

11.
B+1 G/

Paska, K. (Professor, Doctor of medical science); Havlik, O. (Doctor of natural science);
Chladek, V. (Doctor of veterinary medicine); Novotny, J. (Doctor of medical science);
Privora, M. (Doctor of medical science); Symon, K. (Doctor of medical science);
Weiser, J. (Doctor of natural science); Wolf, A. (Doctor of medical science), comps.

Health protection in biological warfare (Der gesundheitsschutz im biologischen Krieg)
Berlin, VEB VVG, 1962. 163 p. illus., biblio. No. of copies printed not given.
Rev. translation of Zdravotnicka obrana proti biologické válce. Prague, SZdH,
1958. Not in LC.

TOPIC TAGS: biological warfare, civil defense, military medicine

PURPOSE AND COVERAGE: This book is intended for physicians, medical personnel, and
general readers to acquaint them with biological warfare. Methods of protection
are discussed.

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OTHER: 016

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CSSR

Department of Nutrition and Hygiene for Children and Adolescents, Medical
Faculty for Hygiene, Charles University (Katedra hygieny deti a dorostu
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Dept. of Hygiene and Epidemiology, Medical Faculty J.E. Purkyne University
(Katedra hygieny a epidemiologie lekarske fakulty UJEP), Brno; Dept. of
Hygiene of Nutrition, Medical Faculty Charles University (Katedra hygieny
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"Heat treatment of press plungers for die-casting machines." p. 46.

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Uncl.

P/032/62/009/001/001/004
D265/D308

AUTHOR: Wolf, Jerzy (Warsaw)

TITLE: Parallel flow recuperative multichannel heat exchangers

PERIODICAL: Archiwum budowy maszyn, v. 9, no. 1, 1962, 55 - 76

TEXT: The analysis presented in this paper enables one to reduce to ordinary differential equations any problems on parallel unidirectional and counter-flow recuperative multichannel heat exchangers. Assuming all possible real or fictitious combinations of heat transfer couplings between the channels two sets of linear differential equations are obtained in the general form defining the temperature distribution along the channels. The discussion is illustrated by solving the fundamental case of the ordinary two channel heat exchanger which proves that all the problems in this field can be reduced to a set of homogeneous linear differential equations of first order. By introducing the motion of heat transfer per unit of channel length the theoretical analysis can be presented in a dimensionless form enabling one thus to solve rapidly numerical problems

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P/032/62/009/001/001/004
D265/D308

Parallel flow recuperative ...

making use of the universal graph presented in this paper. There are 6 figures. The most important English-language publication reads as follows: M. Jakob, Heat Transfer, London 1957.

SUBMITTED: October 1961

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P/032/62/009/003/001/004
D265/D308

AUTHOR: Wolf, Jerzy (Warsaw)

TITLE: Applications to the Field tube of the general equations of parallel-flow recuperative multichannel heat exchangers

PERIODICAL: Archiwum budowy maszyn, v. 9, no. 3, 1962, 331-347

TEXT: With reference to the author's general theory presented in his previous paper (Ref. 1: Archiwum budowy maszyn, PWN, Warsaw, 1962, v. 9, no. 1) the particular case of a Field tube is studied in detail, with a practical example. The procedure is explained by considering two cases: the solution of the set of differential equations determining the temperature distribution in channels of a Field tube and that determining the distribution of the temperature difference. It is shown that applying the author's general theory the general equations for the temperature distribution and those for the mean temperature difference can be obtained irrespectively of the direction of flow in the channels. The equations are simplified by expressing them in terms of the roots of their characteristic equation. ✓

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Applications to the Field tube ...

P/032/62/009/003/001/004
D265/D308

tic equations. It is found that the equations for the mean temperature difference derived by Hurd constitute a particular case of these relations. The existing theory of the Field heat exchanger has thus been simplified by applying the general theory which does not necessitate deriving and solving of differential equations of higher orders for each particular case of flow configuration. ✓

SUBMITTED: March 1962

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P/008/63/000/001/003/004
D265/D307

AUTHOR: Wolf, Jerzy, Master of Engineering

TITLE: A noise suppressor for jet engine test shop

PERIODICAL: Technika Lotnicza, no. 1, 1963, 18

TEXT: Polish patent no. 38100, Class 46g, 7/05 valid from September 24, 1954, published June 15, 1956. The invention is concerned with a method for cooling the walls of a noise suppressor, exposed to the action of elevated temperatures, made from suitable materials in jet engine test-shops. A typical design is shown in Fig. 1, where the stream of hot exhaust gases (G) of the engine (2) flows through the metal tube of the ejector (3) and (5), and is mixed with atmospheric air led in by inlet suppression chambers (6). After mixing, the gases are passed out to the atmosphere via suppression chambers (7). Lack of air exchange in the housing (4₁) causes the walls to heat up, necessitating the use of special thermal insulation and of a construction resistant to the action of elevated temperatures. The design shown in Fig. 2 is an improvement on the

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P/008/63/000/001/003/004
D265/D307

A noise suppressor ...

above. The design of the silencer according to the present invention is shown in Fig. 3. The silencer includes intensive cooling of the internal walls of housing (4₃), containing ejector (3) and (5), by passage of the entire air sucked in by the ejector in a direction opposite to the direction of gases flowing through this ejector. Under these conditions the temperature of the wall is close to atmospheric, by continuous removal of heat from these walls. The silencer comprises inlet (6) and outlet (7) suppression chambers, forming an individual constructional-building unit. This allows the sound suppressor to be isolated functionally from the equipment and accommodation of the engine test-shop.

[Abstracter's note: Complete translation]

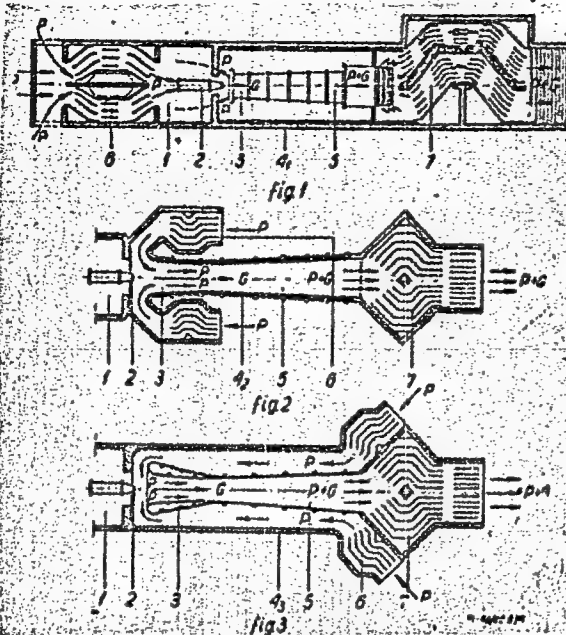
ASSOCIATION: Instytut Lotnictwa, Warszawa, Polska (Aviation
Institute, Warsaw, Poland)

Card 2/3

A noise suppressor ...

P/008/63/000/001/003/004
D265/D307

Figs. 1,
2 & 3



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P/008/63/000/001/004/004
D265/D307

AUTHOR: Wolf, Jerzy

TITLE: Aviation compressor jet engine as a source of compressed air

PERIODICAL: Technika Lotnicza, no. 1, 1963, 19

TEXT: Polish patent no. 38443, class 46g, valid from December 8, 1954, published November 30, 1955. Apart from their use in aircraft, compressor jet engines have been applied to power aerodynamic tunnels; in this arrangement the air, incoming directly by suction or with the aid of ejector, is used as a mixture with the exhaust gases. Although applications of such engines to the control of the wall layer on aircraft are known, the compressed air used was less than 6% by weight, of the air passing through the engine. According to the present invention, a large amount of air may be obtained, which is not contaminated with exhaust gases. In this case the engine has an increased area of the outlet corresponding to operational conditions in aircraft by at least 40%, to allow collection

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Aviation compressor ...

P/008/63/000/001/004/004
D265/D307

of considerable quantities of air, exceeding 10% by weight of the
air passing through the engine.

[Abstracter's note: Complete translation]

ASSOCIATION: Instytut Lotnictwa, Warszawa, Polska (Aviation
Institute, Warsaw, Poland)

Card 2/2

S/081/63/000/002/063/088
B162/B102

AUTHORS: Wojciechowski, Jan, Nantka-Namirski, Pawel, Wolf, Jerzy,
Bełzecki, Czesław

TITLE: Obtaining N-arylsulfonyl-N'-alkyl urea

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 409, abstract
2N67 (Pol. patent 44830, June 20, 1961)

TEXT: Supplement to the Pol. patent 44577 (RZhKhim, 1962, 22L125): Combinations of the total formula $RC_6H_4SO_2NHCONHR'$ (where R = alkyl, chloralkyl, haloid, nitro-, nitroso- or amino- group; R' = alkyl, aryl, cycloalkyl or heterocyclic radical) are obtained by condensation of corresponding arylsulfochlorides with the secondary heterocyclic amines, e.g. with imidazole (I), in the presence of an anhydrous organic solvent. To 1 mole of sulfochloride, 2 moles of amine is taken. Hydrochloride of amine is filtered off, a stoichiometric quantity of N-alkylurea is added, the solution is heated to boiling point, the solvent is distilled off. The residue is washed with water in order to remove amine, and recrystallized. For instance, 0.1 mole of $n-CH_3C_6H_4SO_2Cl$ is heated for 15 min with 0.2 mole of I

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Obtaining N-arylsulfonyl-N'-alkyl urea

S/081/63/000/002/063/088
B162/B102

in 50 ml of tetrahydrofuran. The mixture is cooled, hydrochloride I is filtered off, and 11.6 g of butyl urea is added to the filtrate. The mixture is boiled for 3 hours, the solvent is distilled off, the residue is ground down and washed with water. The product is recrystallized with 75% alcohol. 23 g (85%) of N-n-toluenesulfonyl-N'-butyl urea is obtained, melting point 128 - 129.5°C. [Abstracter's note: Complete translation.]

Card 2/2

MIRECKI, Rufin; WOLF, Jerzy

Modification of protective Kilian's mask. Otolaryng. Pol. 18
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1. Z Oddziału Otolaryngologicznego Szpitala Wojewodzkiego w
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